

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001512**Date Inspected:** 04-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 4BW, OBG 2AE, OBG 2BE**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG 3AW & OBG 3BW

Segments were moved closer together to perform welding and joining process, also edge trimming was ground down, No coating repairs performed as of this date.

Office

Performed required work as directed by Task Leader to check all "Notice of Inspections" and ensure all required reports and requests were in place. ABF QA Bill Oak and Caltrans QA Lumley checked subsequent data collectively and discovered gaps and amended with each others paperwork. Bill Oak also had to obtain proper Notice of Inspections that were missing from both parties logbooks from ZPMC.

OBG 4BW

ZPMC performed de-greasing operations in accordance with SSPC SP-1 and the contract documents outside the blast shop after required VT inspection was performed by Caltrans personnel. This segment was unable to enter the blast shop as ZPMC had to remove two wind tower sections to accommodate the segment for abrasive blasting operations to commence.

ZPMC informed both Caltrans QA Lumley and ABF QA David Duon of intent to perform abrasive blasting operations to floor beam faying surfaces for stiffener "T" clip attachments scheduled for 0300 am hours. Both Caltrans QA Lumley and ABF QA David Duon advised ZPMC that no coating would be permitted unless environmental conditions were within the parameters of the contract documents and the manufacturers product

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data sheets and that the fabrication shop did not have the ability to control the ambient conditions. Abrasive blasting proceeded and no coating application was allowed due to improper ambient conditions, ABF QA David Doun denied coating application of Interzinc 22.

Summary of Conversations:

No relevant conversations noted on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer
